

CLAIMS:

1. A device for recording digital information signals in addressable locations on a removable rewritable disc like recording medium, the digital information signals representing user data, first file system data and second file system data, each file system data comprising a corresponding set of file entries, the file entries comprising address references pointing to the user data according to a predefined format and defined relative to a reference point, the device comprising
- 5 recording means for recording the digital information signals on the medium;
reading means for reading recorded digital information signals recorded on the medium; and
- 10 control means for controlling recording the digital information signals, characterized in that
- the control means are adapted to perform a verification in order to check whether the first file system address references format is the same as the second file system address references format and whether the first file system reference point is the same as the second file system reference point, and to record only one set of the file entries shared by both file systems data in case of positive result of the verification .
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2. A device as claimed in claim 1, each file system data comprising a corresponding set of directory entries and a corresponding file set descriptor, the directory entries comprising address references pointing to the file entries according to the predefined format and defined relative to the reference point, the file set descriptor comprising information related to the set of directory entries and the set of file entries, the device characterized in that the control means are adapted to perform the verification comprising checking whether both file systems data share one file set descriptor, and to record only one set of the directory entries shared by both file systems data in case of positive result of the verification.
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3. A device as claimed in claim 1, characterized in that the control means are adapted to perform the verification comprising comparing versions of both file systems.

4. A device as claimed in claim 1, characterized in that the control means are adapted to check a bit flag comprising information related to both file system address references formats and both file system reference points.
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5. A device as claimed in claim 2, characterized in that the control means are adapted to check a bit flag comprising information related to the one file set descriptor.
6. A device as claimed in claim 4 or 5, characterized in that the control means are adapted to read the bit flag from the medium.
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7. A device as claimed in claim 1, characterized in that the control means are adapted to perform an initialization comprising defining file system partitions on the medium such that the first file system partition and the second file system partition start at the same point being the first file system reference point and the second file system reference point, and such that the first file system address references format is the same as the second file system address references format.
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8. A device as claimed in claims 2 and 7, each file system data comprising a corresponding volume descriptor pointing to the file set descriptor, characterized in that the control means are adapted to record the first file system volume descriptor and the second file system volume descriptor, both pointing to the one file set descriptor shared by both file systems data.
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9. A device as claimed in claim 8, the medium comprising a spare area outside the user area comprising replacement areas for defect management, characterized in that the control means are adapted to define the second file system partition comprising the spare area.
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10. A device as claimed in claims 4 and 7 or in claims 5 and 8, characterized in that the control means are adapted to set-up the bit flag.
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11. A device as claimed in claim 10, characterized in that the control means are adapted to record the bit flag on the medium.

12. A method of recording digital information signals in addressable locations on a removable disc like recording medium, the digital information signals representing user data, first file system data and second file system data, each file system data comprising a
5 corresponding set of file entries, the file entries comprising address references pointing to the user data according to a predefined format and defined relative to a reference point, the method characterized by:
- a verification step in order to check whether the first file system address references format is the same as the second file system address references format and whether
10 the first file system reference point is the same as the second file system reference point; and
 - recording only one set of the file entries shared by both file systems data in case of positive result of the verification step.
13. A method as claimed in claim 12, each file system data comprising a corresponding set of directory entries and a corresponding file set descriptor, the directory entries comprising address references pointing to the file entries according to the predefined format and defined relative to the reference point, the file set descriptor comprising information related to the set of directory entries and the set of file entries, the method
20 characterized by:
- the verification step comprising checking whether both file systems data share one file set descriptor; and
 - recording only one set of the directory entries shared by both file systems data in case of positive result of the verification step.
14. A method as claimed in claim 12, characterized in that the verification step comprises comparing versions of both file systems.
15. A method as claimed in claim 12, characterized in that the verification step
30 comprises checking a bit flag comprising information related to both file system address references formats and both file system reference points.
16. A method as claimed in claim 13, characterized in that the verification step comprises checking a bit flag comprising information related to the one file set descriptor.

17. A method as claimed in claim 15 or 16, characterized in that the bit flag is read from the medium.
- 5 18. A method as claimed in claim 12, characterized by an initialization step comprising defining file system partitions for recording the user data such that the first file system partition and the second file system partition start at the same point being the first file system reference point and the second file system reference point.
- 10 19. A method as claimed in claims 13 and 18, each file system data comprising a corresponding volume descriptor pointing to the file set descriptor, characterized by recording the first file system volume descriptor and the second file system volume descriptor, both pointing to the one file set descriptor shared by both file systems data.
- 15 20. A method as claimed in claim 19, the medium comprising a spare area outside the user area comprising replacement areas for defect management, characterized in that the second file system partition comprises the spare area.
21. A method as claimed in claims 15 and 18 or in claims 16 and 19, characterized in that the initialization step comprises setting-up the bit flag.
- 20 22. A method as claimed in claim 21, characterized by recording the bit flag on the medium.
- 25 23. A computer data system comprising a computer connected to a device for recording digital information signals in addressable locations on a removable rewritable disc like recording medium, the digital information signals representing user data, first file system data and second file system data, each file system data comprising a corresponding set of file entries, the file entries comprising address references pointing to the user data according to a predefined format and defined relative to a reference point, the device comprising
- 30 input means connected to the computer for receiving the digital information signals;
- recording means for recording the digital information signals on the medium;

reading means for reading recorded digital information signals recorded on the medium;

output means for outputting the read digital information signals to the computer; and

5 control means for controlling recording the digital information signals, characterized in that

the computer is adapted to control the control means of the device to perform the method according to any of claims 12 – 22.

10 24. A computer program product for recording digital information signals in addressable locations on a removable rewritable disc like recording medium, which program is operative to cause a processor to perform the method according to any of claims 12 – 22.